

SECRET



NPIC/R-53/65

April 1965

PHOTOGRAPHIC INTERPRETATION REPORT

MODIFIED KENNEL CRUISE MISSILE CUBA

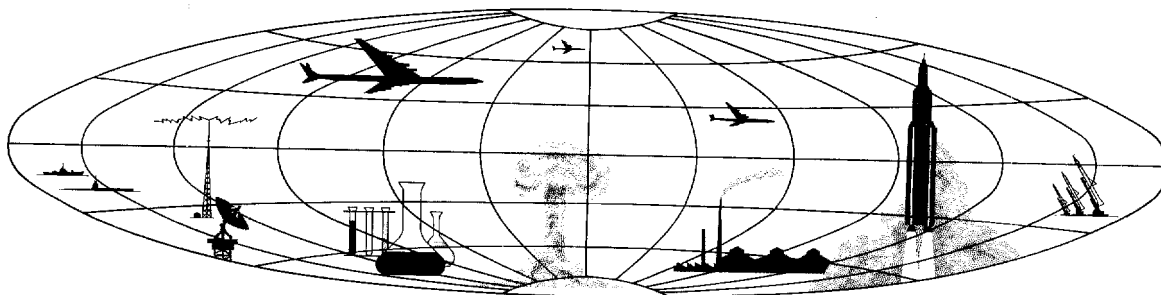


CIA



DIA

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



SECRET
NO FOREIGN DISSEM

GROUP 1
Excluded from automatic
downgrading and declassification

W A R N I N G

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

SECRET

NPIC/R-53/65

MODIFIED KENNEL CRUISE MISSILE, CUBA

This report is in response to USIB requirement 40-65 requesting information on the modified KENNEL cruise missile and associated equipment displayed in the Havana parade on 2 January 1965.

Ground photography of the parade reveals 3 modified KENNEL surface-to-surface missiles. These missiles are the second known modification of the original KENNEL air-to-surface missile, AS-1. The first modification was the coastal defense cruise missile, SSCD-1 (Figure 1), which has a fixed launcher and separate transporter. It has been deployed in Cuba since [REDACTED]

The modified missiles are on specially-designed transporter/launchers towed by probable tractor versions of the YaAZ 214 cargo truck (Figure 2). Unlike the SSCD-1, this sys-

tem has the mobility necessary for a tactical weapon assigned to ground forces. Comparative dimensional drawings of both missiles and transporters are illustrated in Figure 3. (Dimensional data is [REDACTED])

Ground photography taken in Moscow on 10 July 1960 (Figure 4) reveals the same type of transporter/launcher as displayed in the Havana parade. The framework imaged immediately to the rear of the vehicle is probably used to provide support for protective canvas covering of the missile with folded wings as shown in the traveling position (Figure 5).

Re-analysis of [REDACTED] and [REDACTED] photography of Cuba reveals that this type of equipment was at Mayari Arriba Cruise-Missile Activity as early as

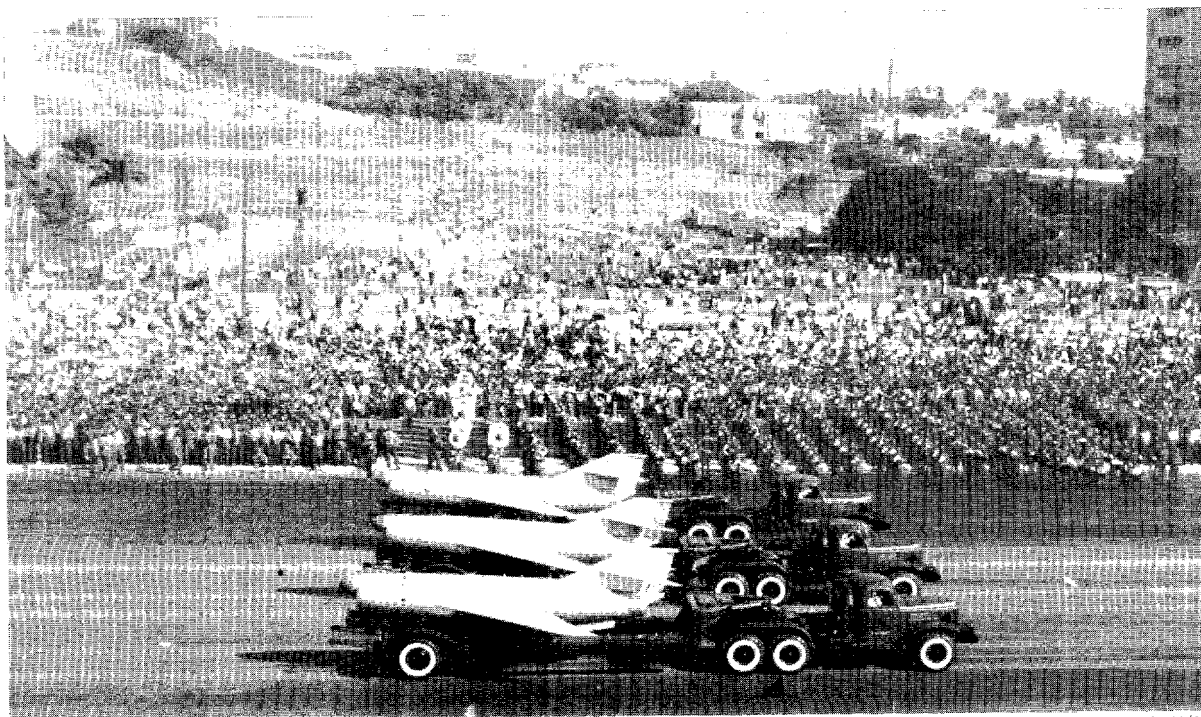


FIGURE 1. CRUISE-MISSILE TRANSPORTERS, HAVANA PARADE, 2 JANUARY 1965.

NPIC J-9437 (4/65)

SECRET

NO FOREIGN DISSEM

25X1D

Approved For Release 2000/05/10 : CIA-RDP78B04560A004400010008-2

Approved For Release 2000/05/10 : CIA-RDP78B04560A004400010008-2

SECRET

NPIC/R-53/65

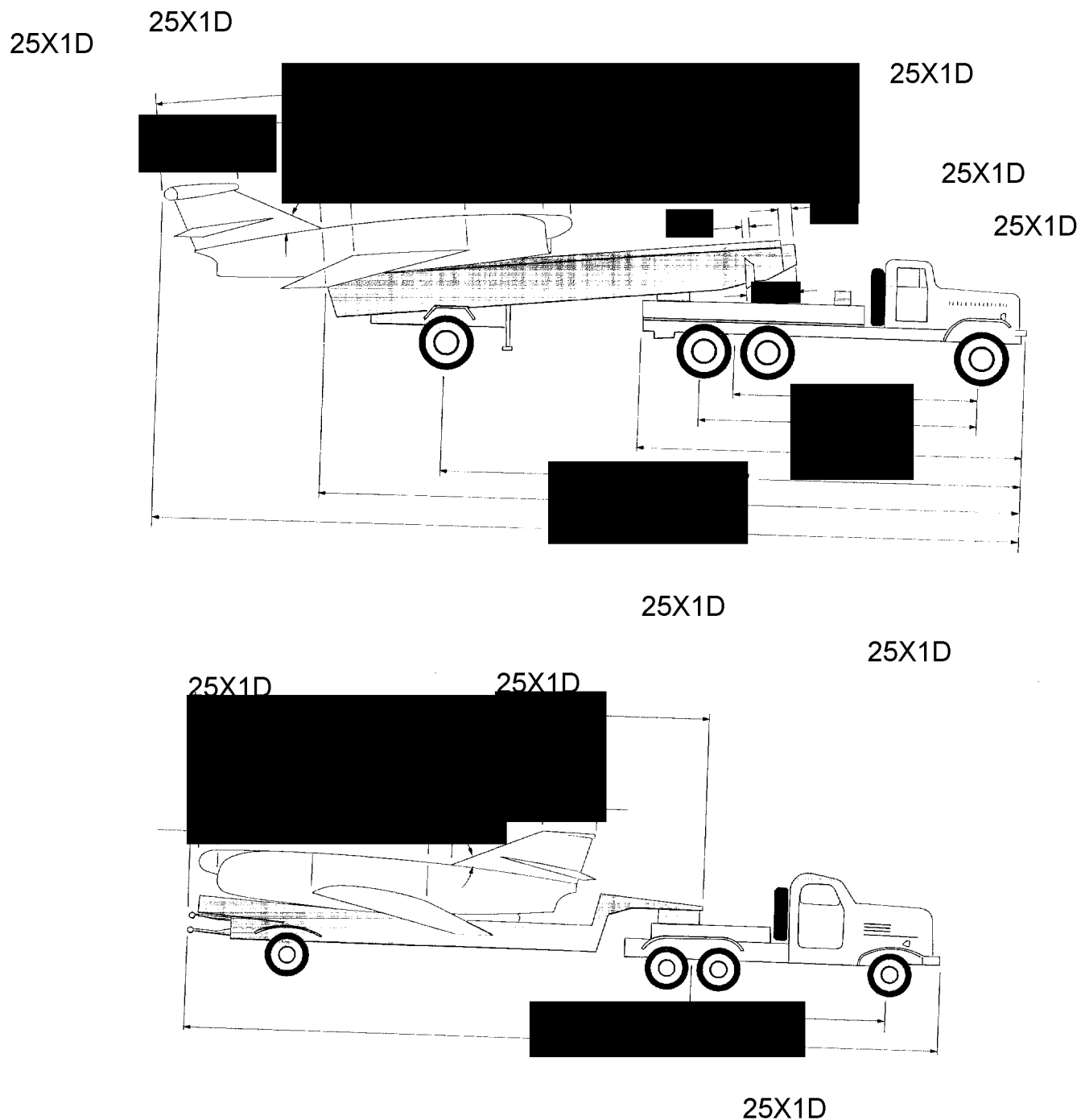


FIGURE 3. CRUISE-MISSILE TRANSPORTER/LAUNCHER (TOP) AND CRUISE-MISSILE TRANSPORTER (BOTTOM).

NPIC J-9429 (4/6b)

SECRET
NO FOREIGN DISSEM

NPIC R-53 '65



FIGURE 4. CANVAS-COVERED CRUISE-MISSILE TRANSPORTER LAUNCHER, MOSCOW, 10 JULY 1960.

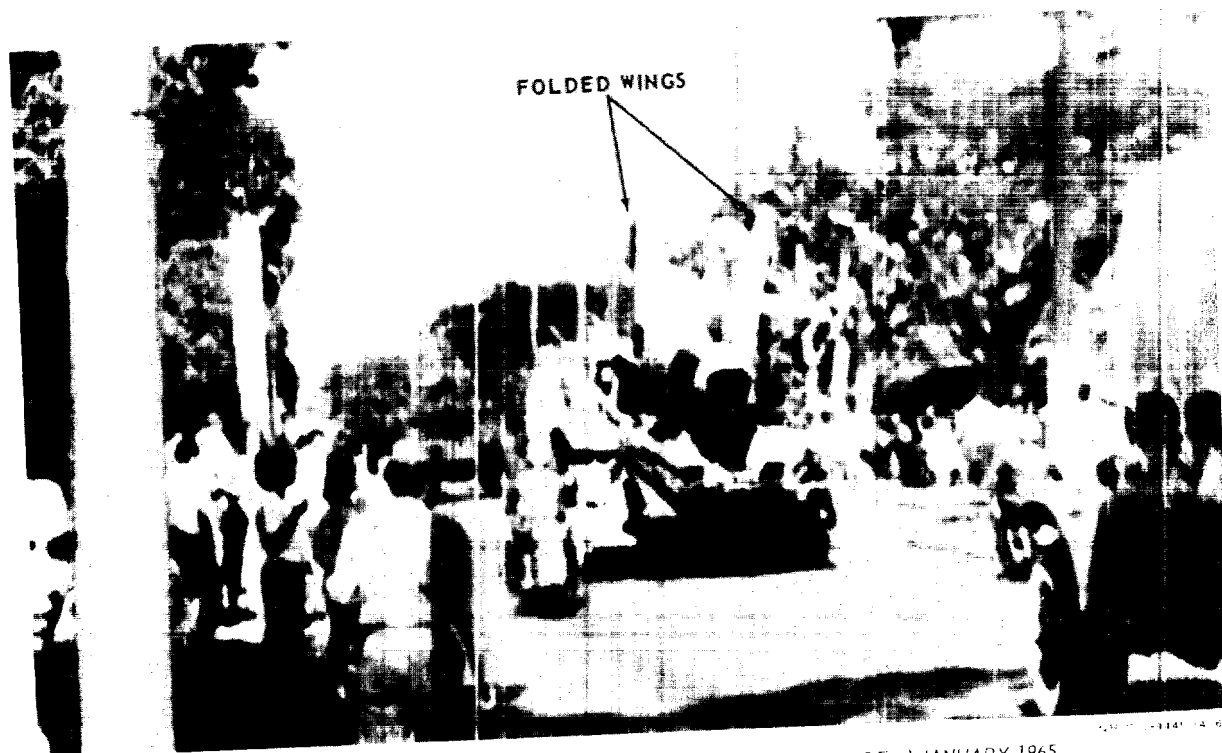


FIGURE 5. CRUISE MISSILE IN TRAVELING POSITION, HAVANA PARADE, 2 JANUARY 1965.

SECRET

NPIC/R-53/65

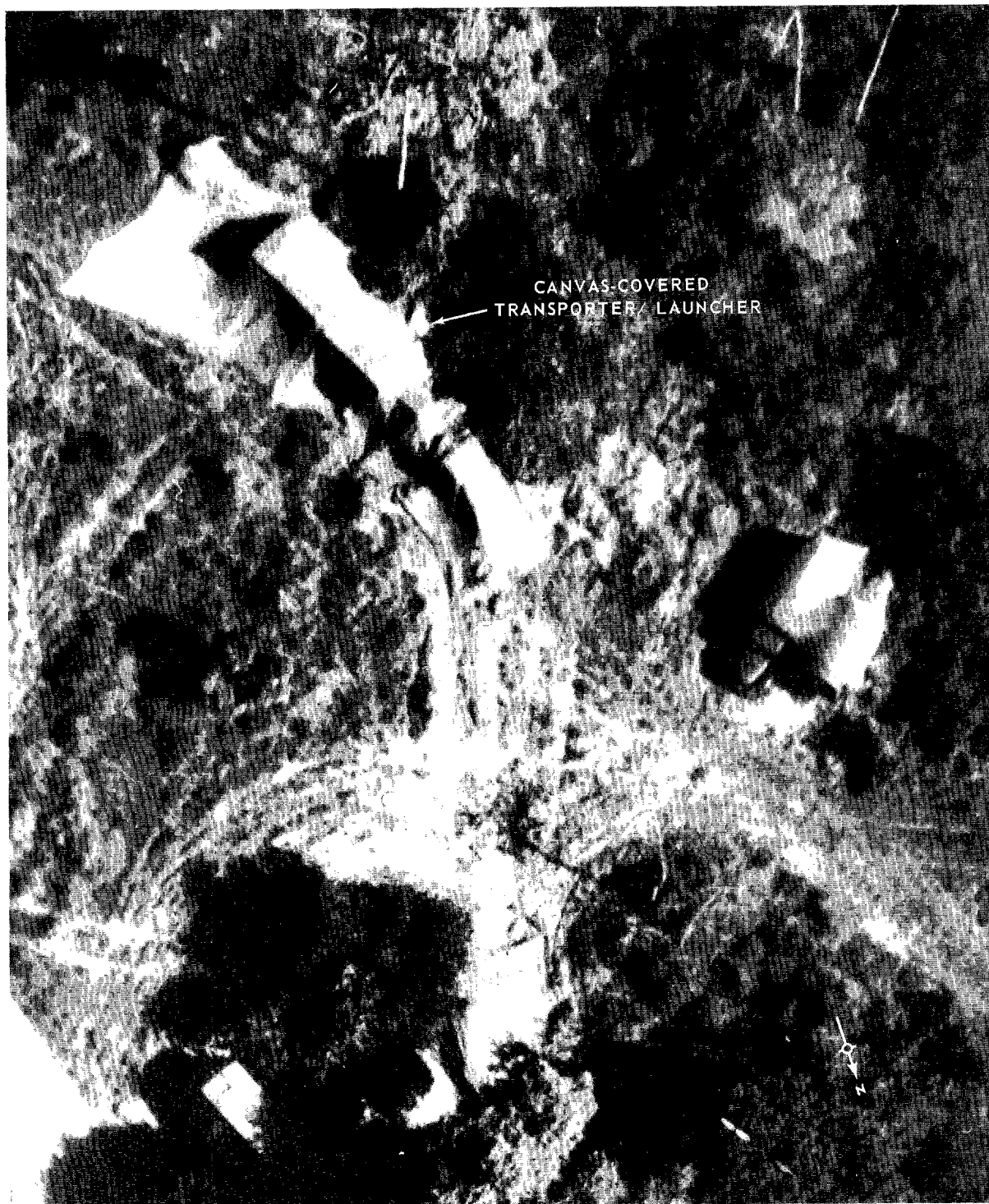


FIGURE 6. CRUISE-MISSILE ACTIVITY, MAYARI ARRIBA

NPIC J-9442 (4/68)

SECRET

NO FOREIGN DISSEM

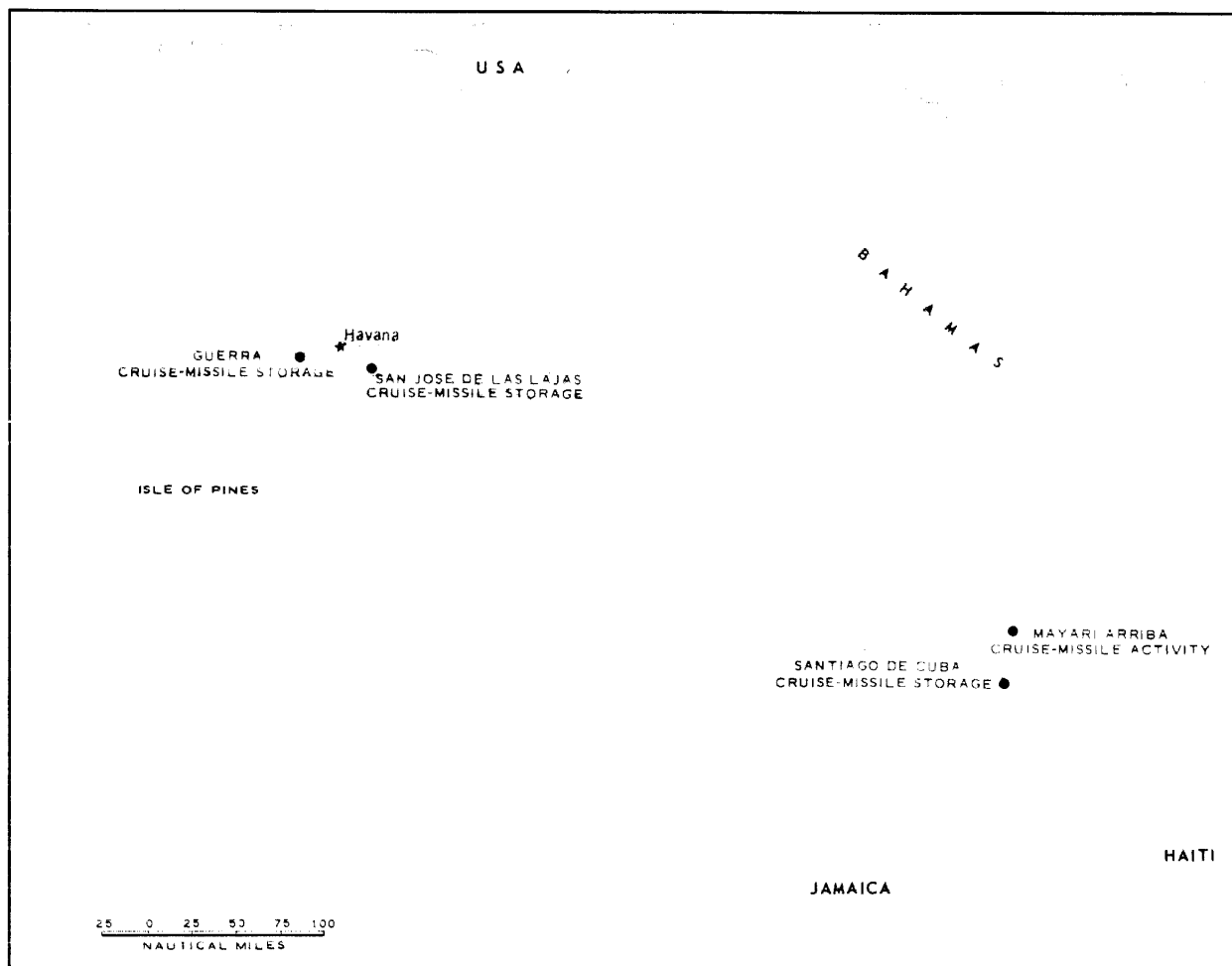
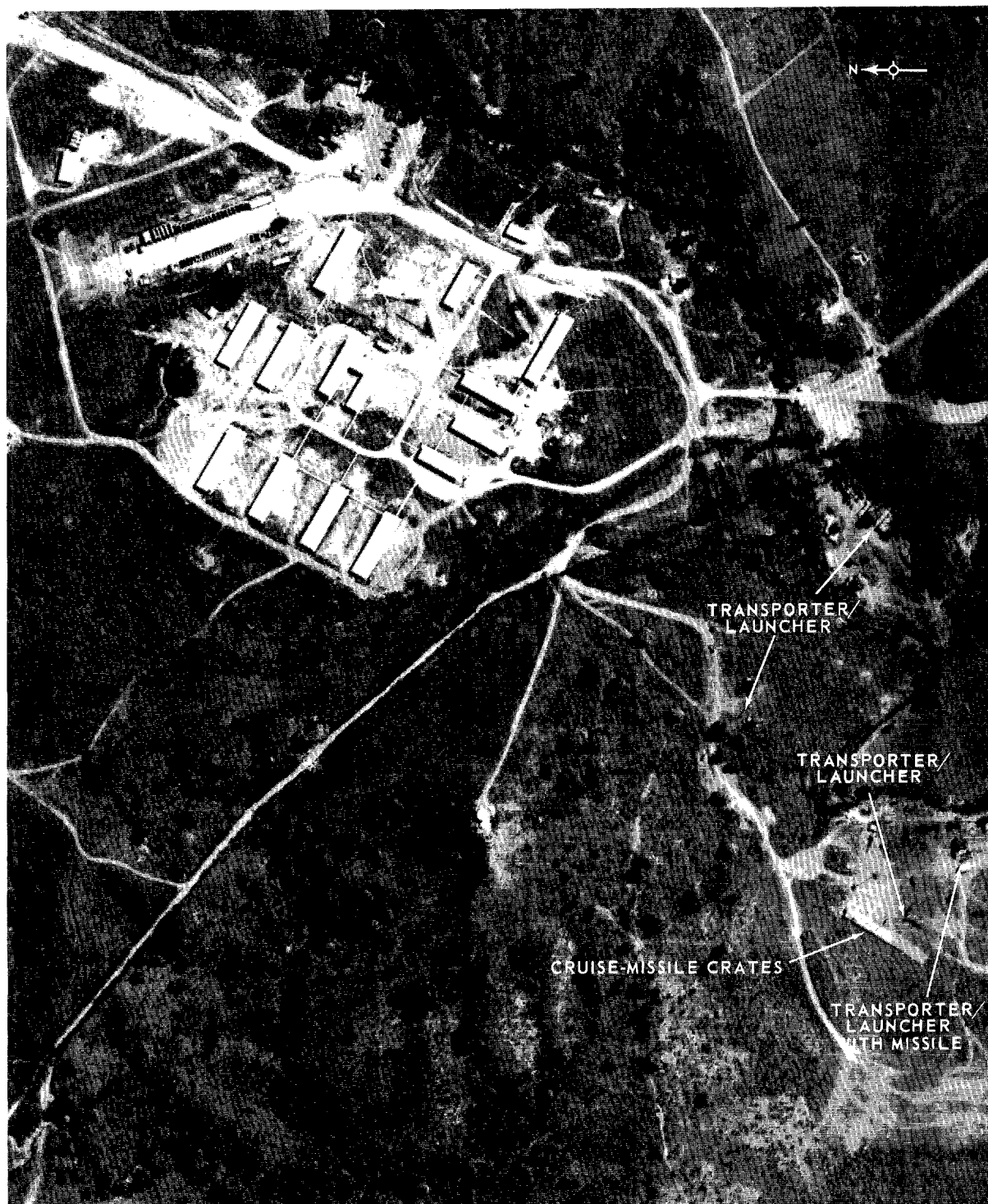


FIGURE 7. CRUISE-MISSILE ACTIVITY, CUBA.

SECRET

NO FOREIGN DISSEM

NPIC/R-53/65



NPIC J-9444 (4/65)

FIGURE 8. CRUISE-MISSILE ACTIVITY, MAYARI ARRIBA, [REDACTED]

25X1D

SECRET

NO FOREIGN DISSEM

NPIC /R-53 /65

REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Camera</u>	<u>Frame</u>	<u>Classification</u>
<div></div>				

25X1D

CIA, Enclosures to , Accession Nos 1029829 and 1029836, Jan 65 (SECRET No Foreign Dissem)

CIA, Enclosure to , Accession No 1027732, Jan 65 (SECRET No Foreign Dissem)

25X1C

25X1C

MAPS

AMS, Series E723, Sheets 3685-III, 2d ed, Nov 62; 3784-I, 3d ed, Sep 62; 5076-III, 3d ed, Jun 63; and 5077-II, 2d ed, May 63 (FOR USE OF U.S. GOVERNMENT OFFICIALS ONLY)

DOCUMENT

Army, *The Soviet Coastal Defense System, Cuba*, May 63 (SECRET No Foreign Dissem)

25X1C

REQUIREMENT

USIB 40-65

NPIC PROJECT

11133/65

SECRET

Approved For Release 2000/05/10 : CIA-RDP78B04560A004400010008-2

NO FOREIGN DISSEM

Approved For Release 2000/05/10 : CIA-RDP78B04560A004400010008-2

SECRET
NO FOREIGN DISSEM